

74866

*James D. Lee*

A. I. A. File No. 26-A-9



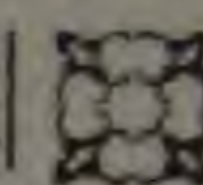
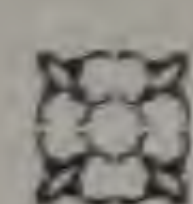
# STUBEN

## ARCHITECTURAL

## CAST GLASS

CORNING GLASS WORKS • CORNING • N.Y.





# STEUBEN ARCHITECTURAL CAST GLASS

THE PRODUCT  
OF A COMPANY  
FAMOUS FOR  
THE QUALITY AND  
BEAUTY OF THE  
GLASSWARE FROM  
ITS  
STEUBEN FURNACES

*Steuben Division*  
CORNING GLASS WORKS

100 West Erie Avenue  
CORNING, NEW YORK

SHOW ROOM AND SALES OFFICES  
501 FIFTH AVENUE  
NEW YORK, N. Y.

## CRAFTSMEN SINCE 1868

Corning Glass Works has been engaged in creating, perfecting, and manufacturing various types of glassware since 1868. The types of glass vary from laboratory and signal light glass to those produced by the Steuben Division consisting of the well-known, exquisitely shaped, hand wrought table glass and stemware; and Architectural Cast Glass, in both Crystal and "Pyrex" Brand Glass, known for its heat-resisting qualities.

The craftsmanship which produces the finest table glass and the research which perfected the well-known "Pyrex" heat-resisting glass, are combined in the production of Architectural Cast Glass. This glass is designed mainly for lighting effects, exterior or interior use, heating and ventilating grilles, as well as other decorative uses. It is heat-resisting and weather-proof.

Steuben Architectural Cast Glass affords the architect and designer a medium for producing decorative as well as structural effects which hitherto have been thought impossible to produce in glass. It may be obtained in two ways: the glass cast from special moulds to follow accurately the individual, proprietary designs of the architect; or the design based on use of standard units, either plain, moulded, or decorated.

## ARCHITECTURAL CAST GLASS MADE TO ARCHITECT'S SPECIAL DESIGNS

In this glass of special design, the designer is almost unlimited in his creative scope. All glass is made in specially constructed moulds which follow the architect's designs. These designs and moulds are proprietary to the architect or owner and are not used again unless by their special permission. For some special designs, see following pages.

## DESIGNS PRODUCED FROM STANDARD SHAPES AND UNITS

Beautiful results can be produced by the use of standard shapes at a frequently lower cost for the finished product. In this way the cost of special moulds is eliminated. For standard shapes obtainable, see pages 8, 9, and 10.

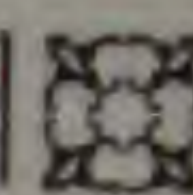
## SPECIAL GLASS OF ANY CHARACTER PRODUCED

Architects are often confronted with problems in which it is a distinct advantage to use glass of a particular texture, character, color, or shape. In this respect we wish to assure architects of our desire to work with them to secure the effects desired. Architects sometimes think that it is necessary to send abroad for special glass, but Steuben glass can be produced in almost any color, texture, character, or shape. We also offer the advantage of the close coordination of effort and supervision of the architect which is impossible when the glass is produced abroad.









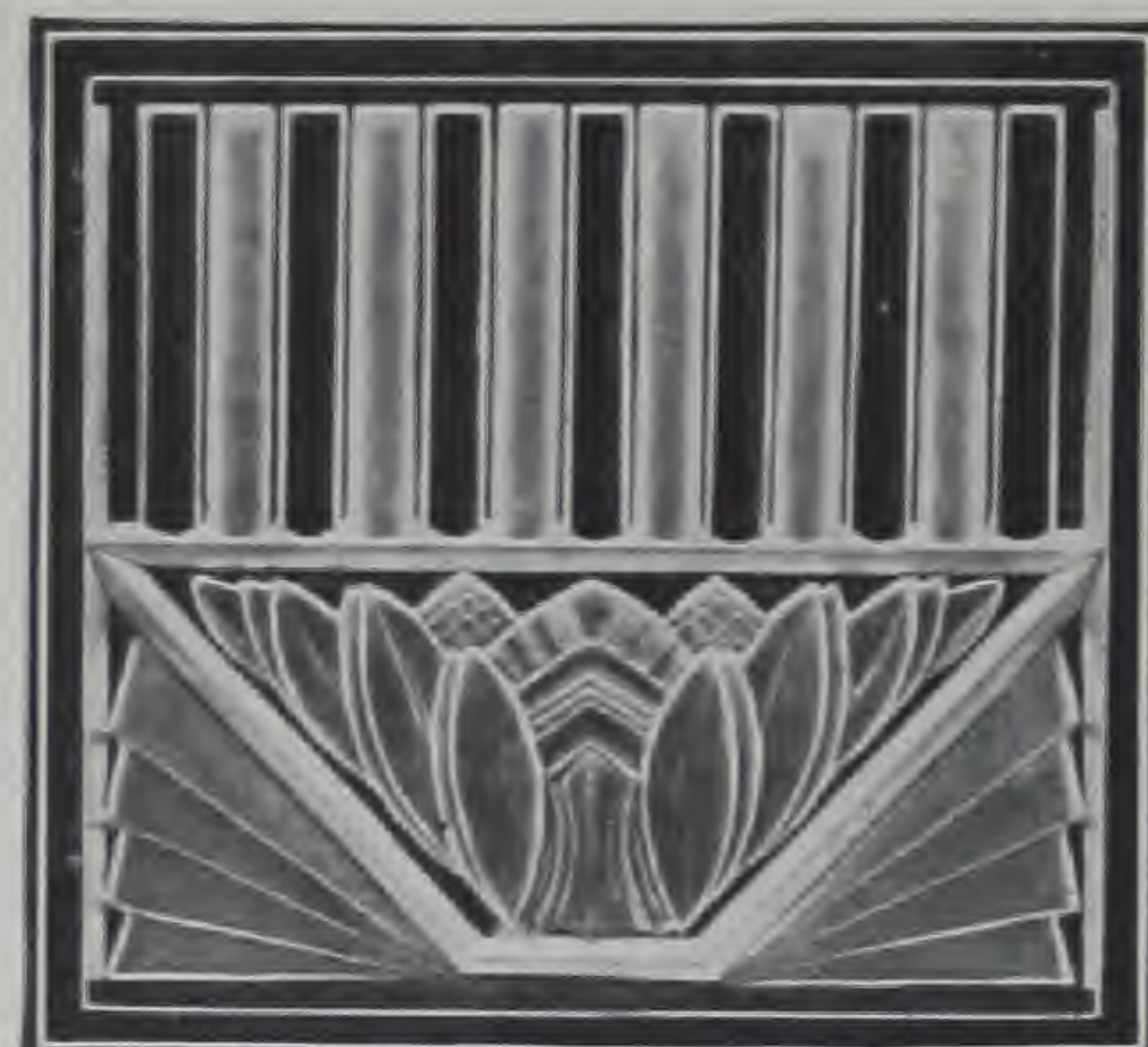
# THE VARIOUS POSSIBILITIES IN THE TREATMENT AND FINISHING OF CAST GLASS

## POLISHED FRONT FACE WITH DECORATION IN RELIEF OR IN INTAGLIO

Light Reflected Through the Glass From the Edges



SATIN FINISH PANEL  
INTAGLIO DESIGN



SAME DESIGN PARTLY  
SATIN FINISHED

In general there are two methods of decorating cast glass:

(1) With the decoration in relief or in intaglio on the back of the glass and a smooth, plain surface on the exposed side.

(2) The relief or intaglio on the front surface, with back smooth, or satin, dust-proof finish.

The illustrations at the left show the same panels with the intaglio design on the back. Being intaglio, the smooth plain surface is on the exposed side of both. The first has the design satin finished, while in the second the part showing light has the satin finish; that showing black is clear Crystal glass.

Also see illustrations on page 4.

## FRONT SURFACE IN HIGH RELIEF—BACK AND EDGES POLISHED

Lighted Through the Glass From the Edges



CLEAR GLASS PANEL WITH  
RAISED DESIGN ON FRONT



SAME PANEL WITH RAISED  
DESIGN SATIN FINISHED

By the method of lighting Steuben Architectural Cast Glass through the edges, decorative lighting effects can be obtained which are impossible with any other material. Interesting effects of color in varied hues are produced by the interposition of colored slides, or by colored lamps themselves.

Illustrations at left show a panel with a flat back and the design in relief on the front. In the first, the entire panel is shown clear, while the second is shown with the background clear, and the raised design is satin finished, which brings out the design and makes it translucent.

The two illustrations at the foot of the column show the same design in grille form. The thickness of the glass in relief may be varied from  $\frac{3}{8}$  or  $\frac{1}{2}$  inch to 2 inches, and, if necessary, to  $2\frac{1}{2}$  inches, depending on the size, design, and the result desired.

## THE DIFFERENT FINISHES OF CAST GLASS

(1) Clear Glass from the Mould—The glass as it comes from the mould is clear or in clear colors when colored, and with a slight, interesting texture following that of the mould. This slight texture is often preferred by architects to a polished finish for bold designs with large detail.



SAME DESIGN AS A GRILLE  
ALL OVER SATIN FINISH



FULL SIZE OF PORTION TO  
SHOW FINISHED TEXTURE

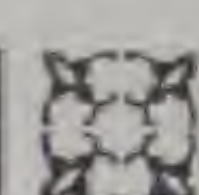
(2) Clear Glass Polished Finish—This consists of grinding and polishing the surfaces of the glass desired polished, generally on flat faces and edges to make them absolutely true for jointing or for ease of cleaning.

(3) Translucent Satin Finish—Dustproof—Produced by treating the surfaces desired to be translucent, with a special finish. The resulting finish brings out the design, as well as gives a character entirely different to that of sand blasting or grinding. Surface is practically dustproof and resembles the smooth, honed finish of marble, yet has great brilliancy against the light.

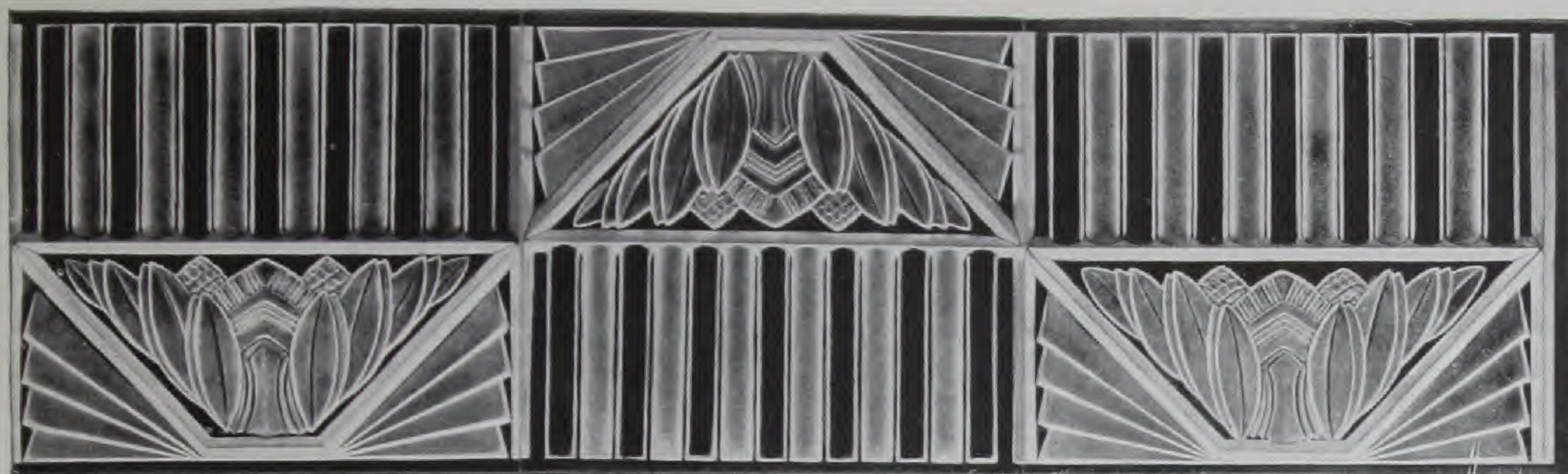
(4) Satin Finish—Highlighted—Consists of slightly polishing, buffing, or highlighting the high spots or ornaments of a panel in relief which have first been given an all over satin finish. This treatment adds brilliancy and sparkle to plain, translucent satin finish.

(5) Contrast of Finishes to Emphasize Design—By contrasting crystal and satin-finishes in panels or on grilles, design is brought out to better advantage.





# CO-OPERATING WITH THE ARCHITECTS IN THE DEVELOPMENT OF THEIR DESIGNS



THREE UNITS OF THE REPEAT DESIGN

THE PART SHOWING BLACK IS CLEAR CRYSTAL—THE LIGHT SURFACES ARE SATIN FINISH—FRONT FACE IS POLISHED TO FACILITATE CLEANING—THE DESIGN IS IN INTAGLIO ON THE BACK



VIEW OF ONE OF THE ELEVATOR LOBBIES,  
EMPIRE STATE BUILDING, NEW YORK, N. Y.

DECORATIVE COVE LIGHT-  
ING EFFECT IN ENTRANCE  
AND ELEVATOR LOBBIES  
OF THE  
EMPIRE STATE  
BUILDING  
NEW YORK CITY

CAST GLASS DESIGNED  
BY THE ARCHITECTS  
SHREVE, LAMB, & HARMON

EACH UNIT IS APPROXIMATELY  $10\frac{3}{8} \times 12$  INCHES AND THE JOINTS BETWEEN THE UNITS ARE GROUND AND POLISHED TO ASSURE TIGHT FIT.

GLASS MAY BE MADE IN COMBINA-  
TIONS OF FINISHES TO CARRY OUT  
DESIRED DECORATIVE EFFECTS.





# GLASS FOR EXTERIORS

## STEUBEN ARCHITECTURAL CAST GLASS

Installed in New Syracuse Lighting Company Building,  
Syracuse, N. Y.

Melvin L. King, Architect; Bley & Lyman, Consultants

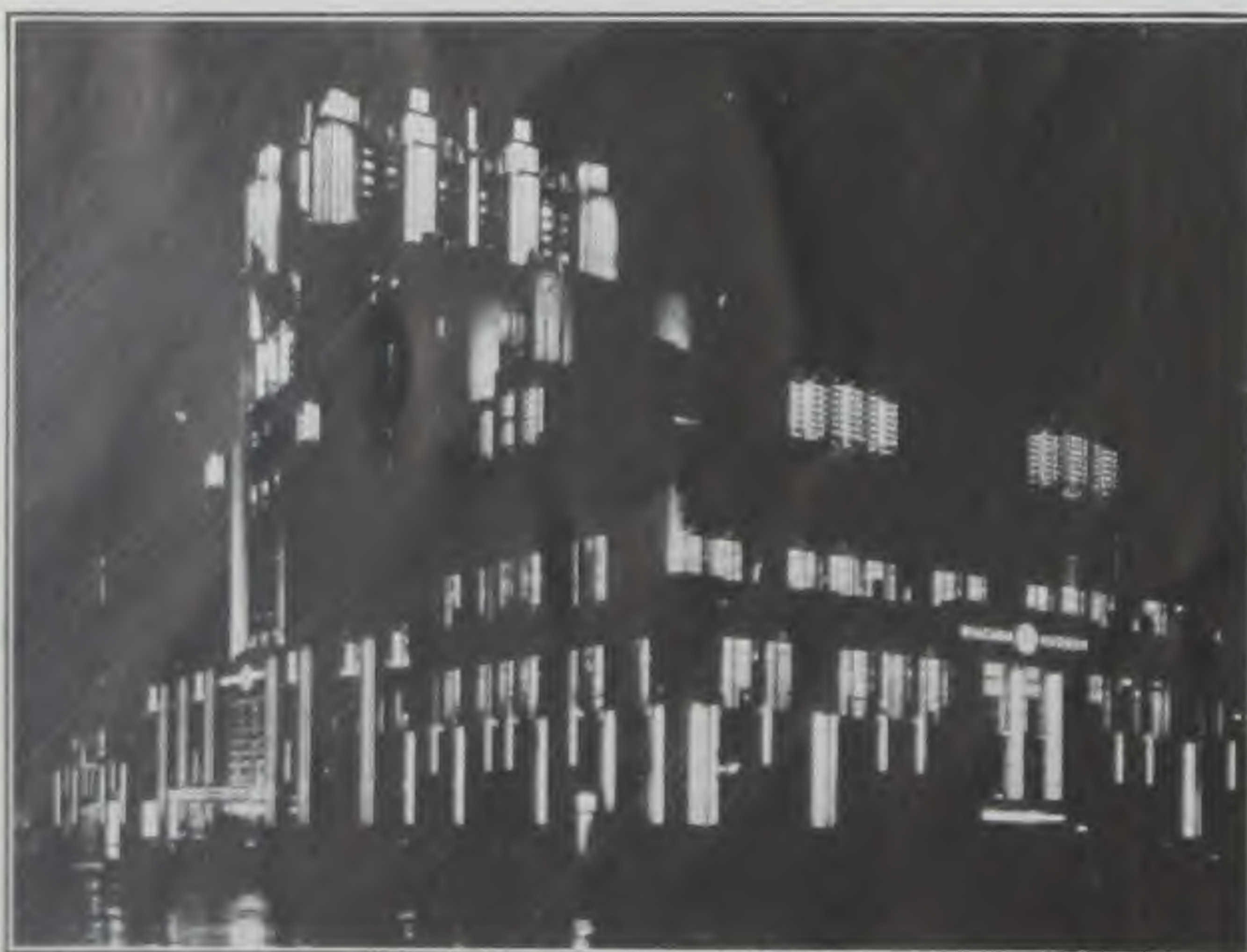
Faithful reproduction of architect's designs has obtained a striking effect in Pyrex Heat Resisting Glass that is immune to sudden temperature changes and to weathering.



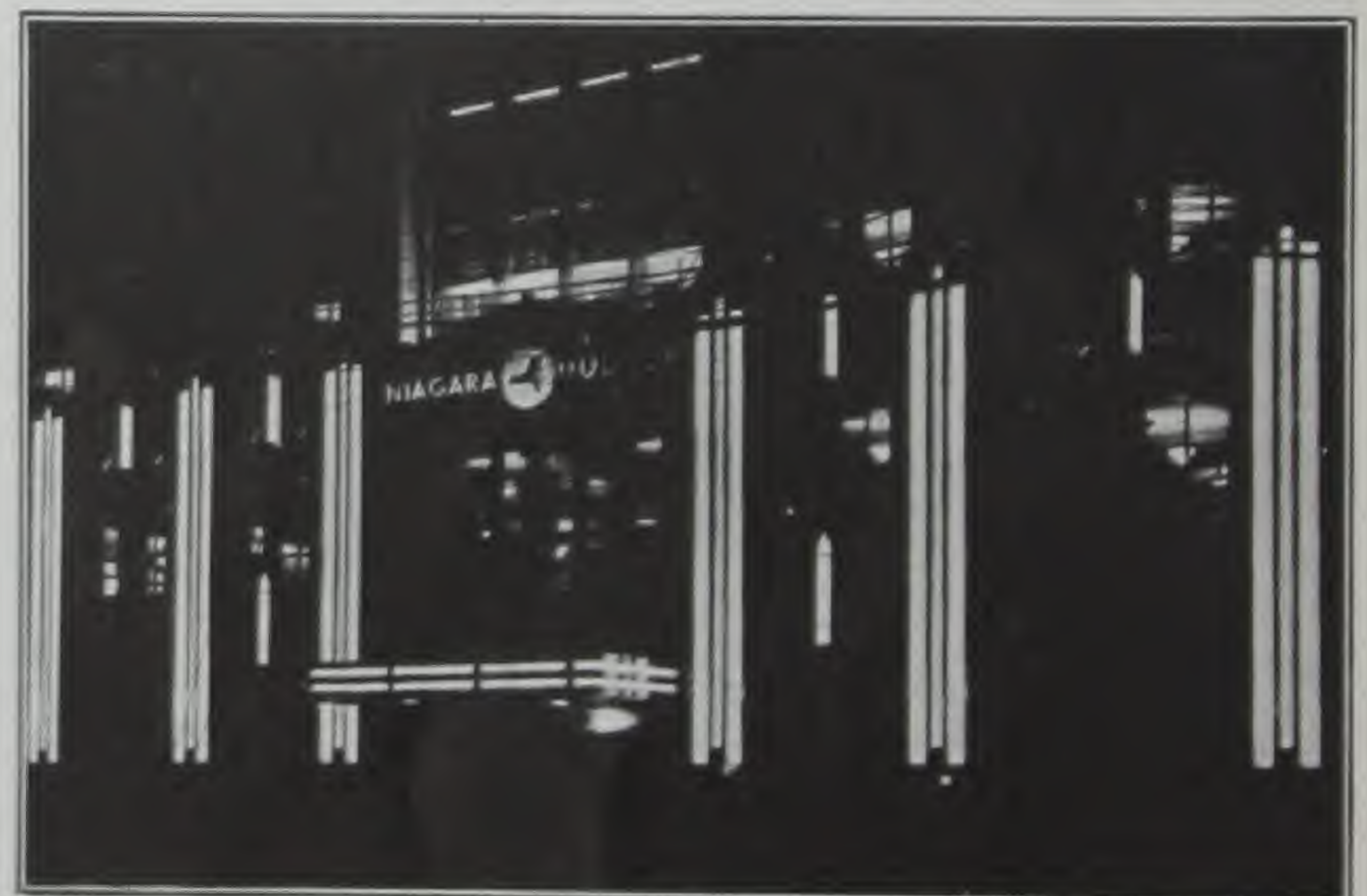
GENERAL EXTERIOR VIEW



DETAIL OF PYREX CAST  
GLASS IN A PYLON

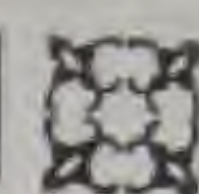


GENERAL NIGHT VIEW



NIGHT VIEW OF MAIN ENTRANCE, SHOWING THE  
PYLONS ILLUMINATED





# NEW APPLICATIONS OF SPECIAL DESIGNS FOR FIXTURES

AS USED IN THE  
JOHN WANAMAKER  
STORE  
NEW YORK CITY

Designs by  
Voigt Company  
Philadelphia, Pa.

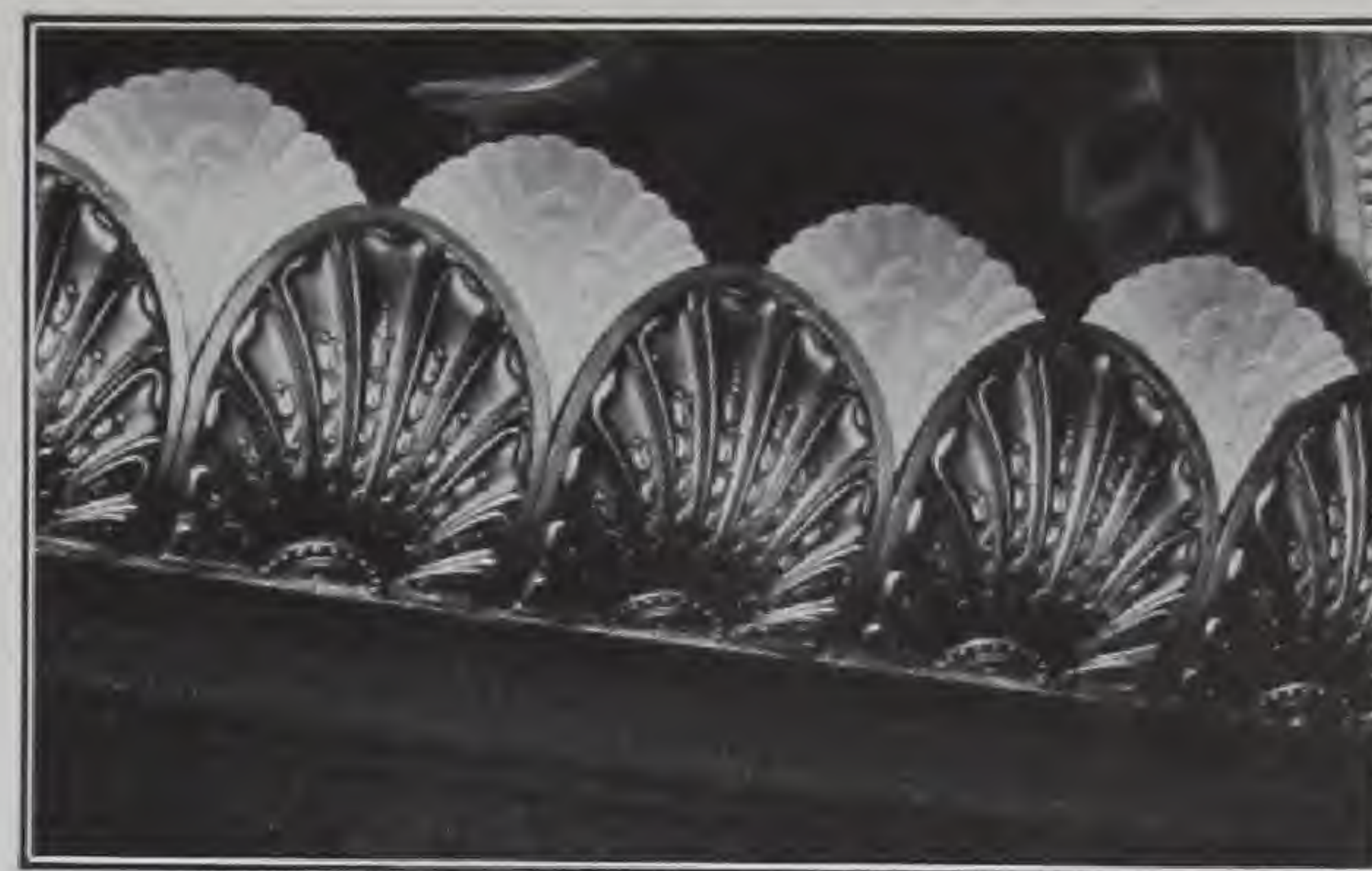


DETAIL OF THE  
ORNAMENT  
ABOVE THE COR-  
NICE, OVER THE  
ENTRANCES TO  
THE ELEVATORS  
FIRST FLOOR

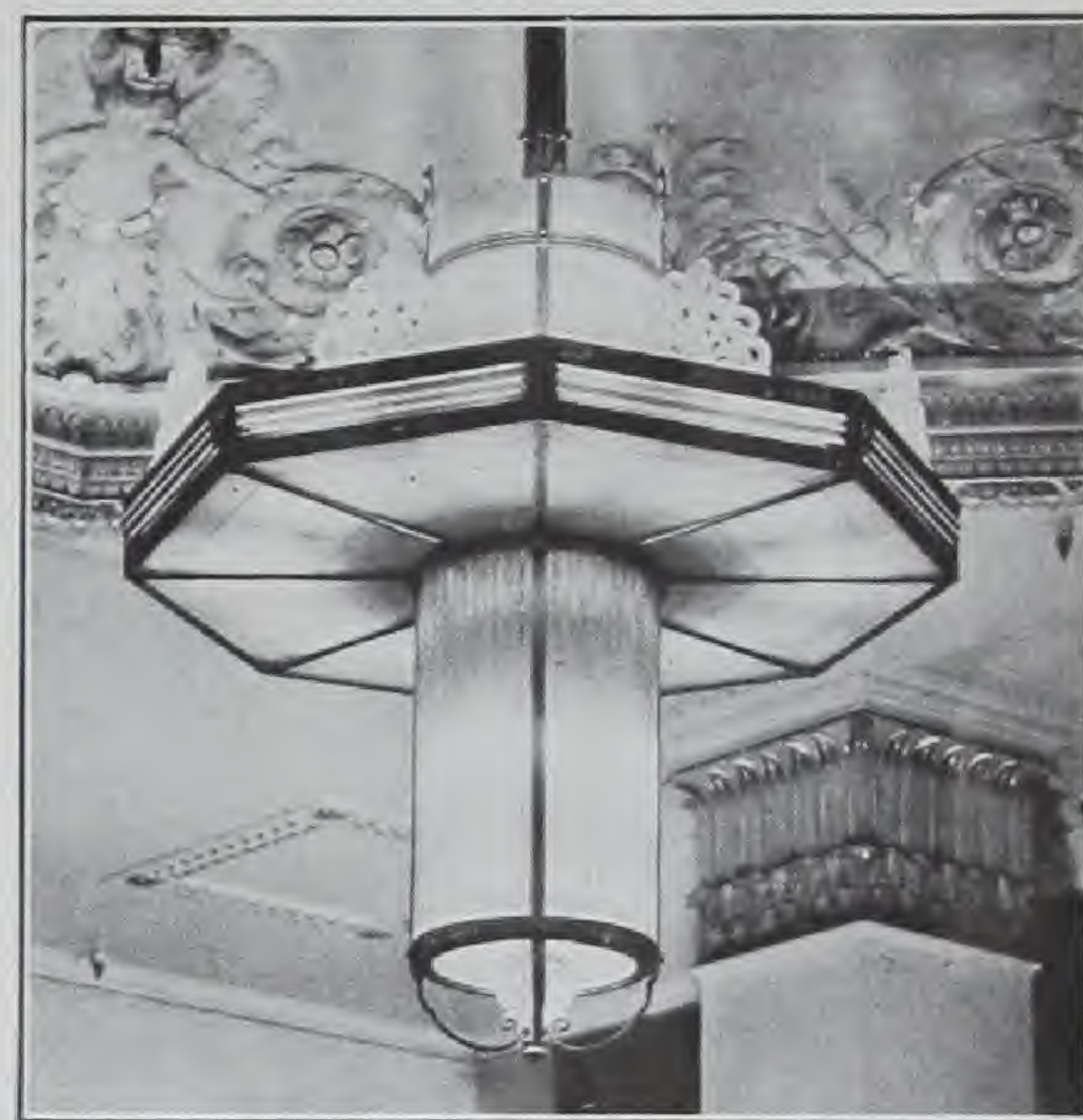
GLASS HAS THE  
TRANSLUCENT  
SATIN FINISH ON  
BOTH ORNA-  
MENTS



DETAIL OF ONE OF THE PERFORATED  
ORNAMENTS ON THE CHANDELIER



ORNAMENT ABOVE THE ELEVATORS



GLASS AND METAL CHANDELIER  
IN THE SILVERWARE ROTUNDA

## AN INTERESTING ARCHITECTURAL USE OF CAST GLASS



INTERIOR OF FLOWER SHOP OF WADLEY & SMYTHE

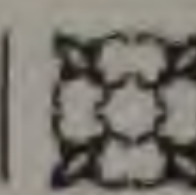
Designed by John Mathews Hatton, Architect  
In the Waldorf Astoria Hotel, New York City

The caps and bases of the pilasters are made of a light blue green  
cast glass, satin finished—the pilasters are of wood, painted.



GREEN CAST GLASS CAP AND BASE  
FOR PILASTERS





# STEUBEN CAST GLASS ON THE HIGH SEAS

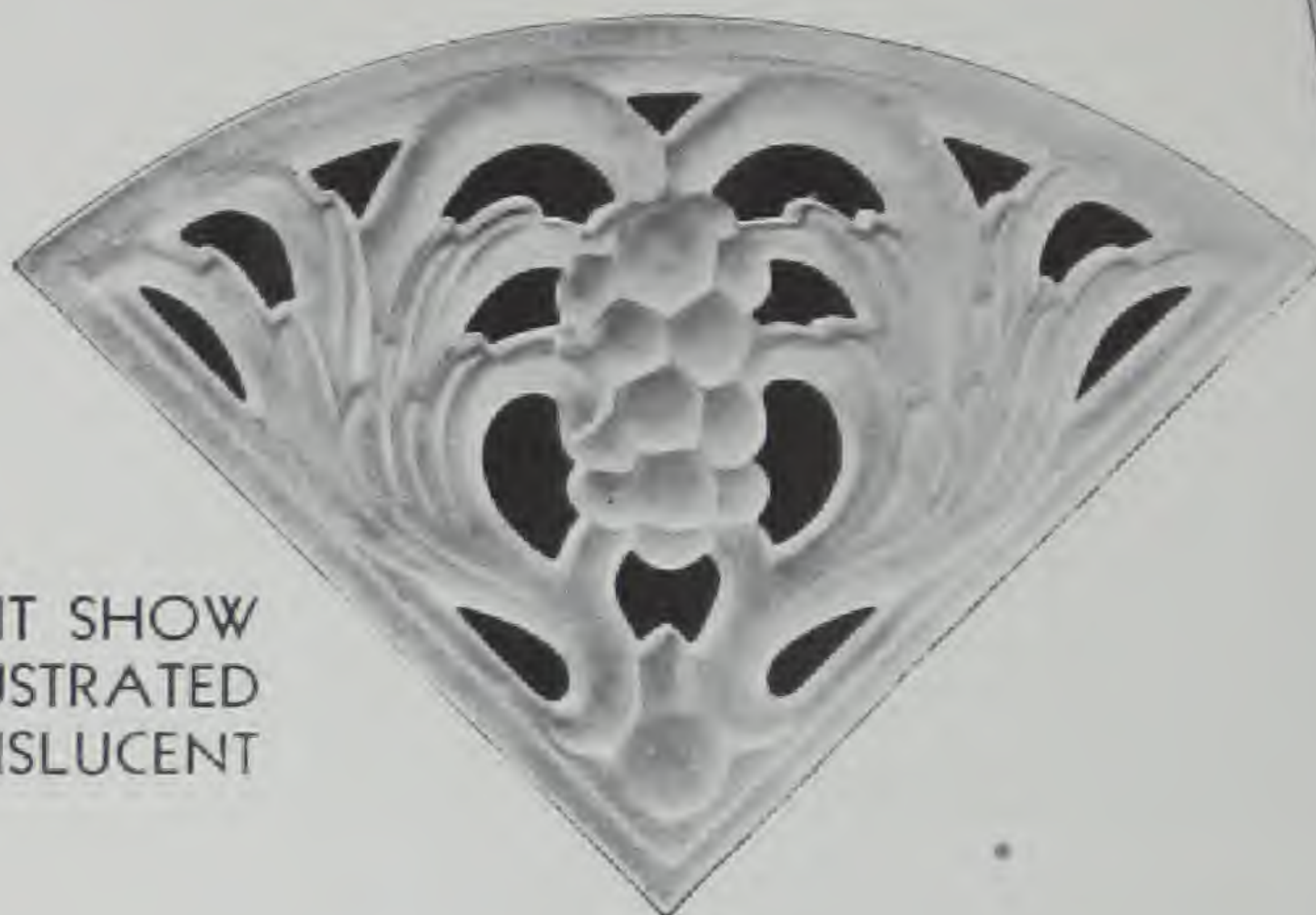


ONE OF THE DECORATIVE CAST GLASS VENTILATING AND LIGHTING GRILLES INSTALLED IN EACH CORNER OF THE CEILING OF THE DINING ROOM IN BOTH SHIPS

WHERE IT IS PARTICULARLY ADAPTED FOR USE AS GRILLES FOR VENTILATION AND DIFFUSION OF LIGHT

THE ILLUSTRATIONS SHOW ITS USE ON THE S. S. MORRO CASTLE AND THE S. S. ORIENTE

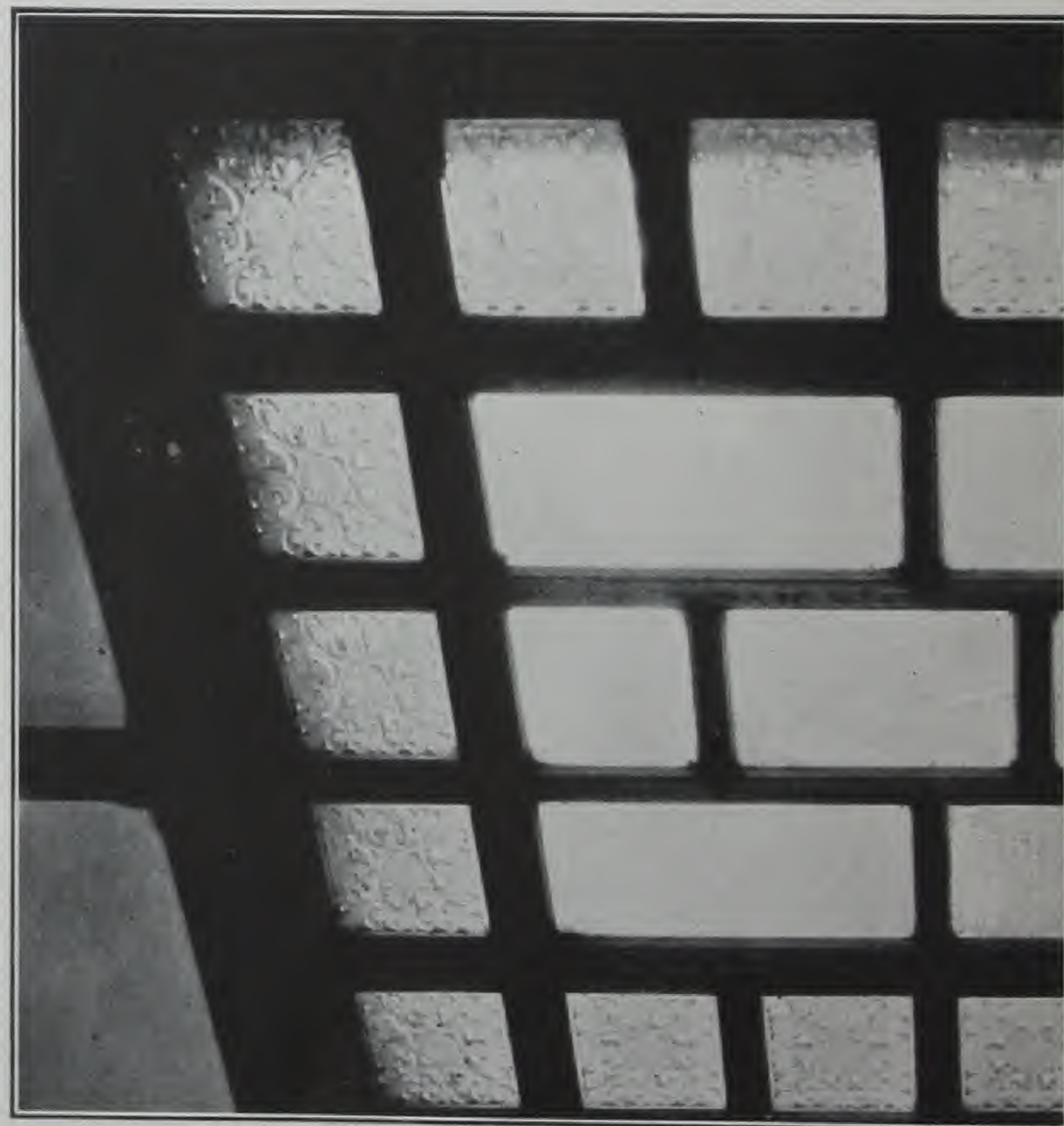
Designed by J. Phillip Kiesicker  
Barnet Phillips Company  
Architects, New York



THE TWO ILLUSTRATIONS ON THE RIGHT SHOW THE TWO UNITS USED IN THE GRILLE ILLUSTRATED ABOVE. THE GLASS HAS THE TRANSLUCENT SATIN FINISH

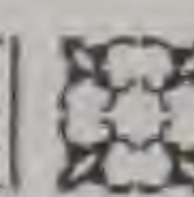


DETAIL OF ONE GRILLE UNIT OF THE VENTILATING AND DIFFUSING BORDER AS ILLUSTRATED AT THE RIGHT. THE GLASS HAS THE TRANSLUCENT SATIN FINISH



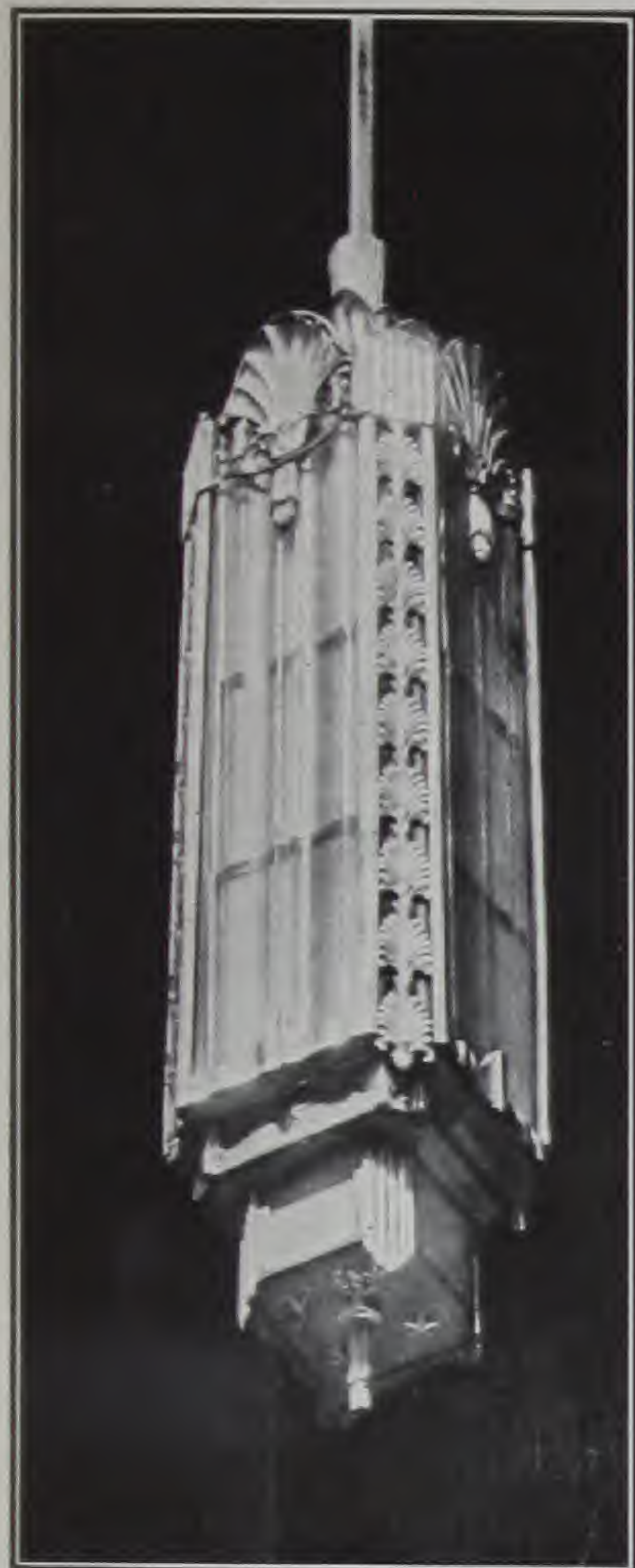
GENERAL VIEW OF PORTION OF THE VENTILATING AND DIFFUSING SASH OF SKYLIGHT, WITH CAST GLASS GRILLES IN THE BORDER INSTALLED OVER THE STAIR WELL



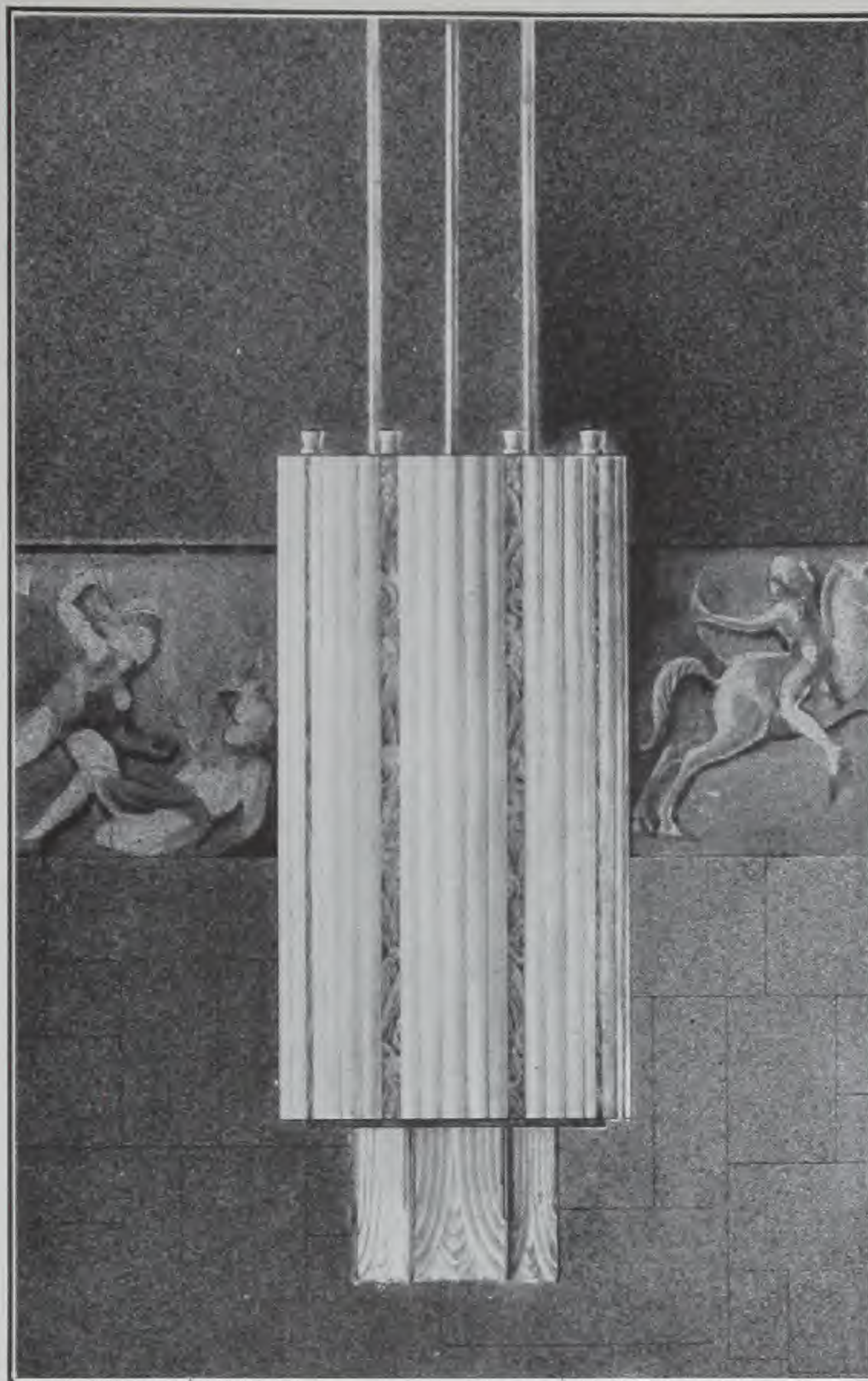


# STANDARD SHAPES

## AND THEIR USE IN LANTERN TYPE LIGHTING FIXTURES



VESTIBULE LANTERN,  
BALTIMORE LIFE INS. BLDG.,  
BALTIMORE  
Style No. A-2006



Upper portion is our Style  
No. A-2005; lower por-  
tion, Style No. A-2058



LOBBY LANTERN,  
Y. M. H. A. BUILDING,  
BALTIMORE, MD.  
Style No. A-2005



LOBBY WALL  
LANTERN  
Style No. A-2005

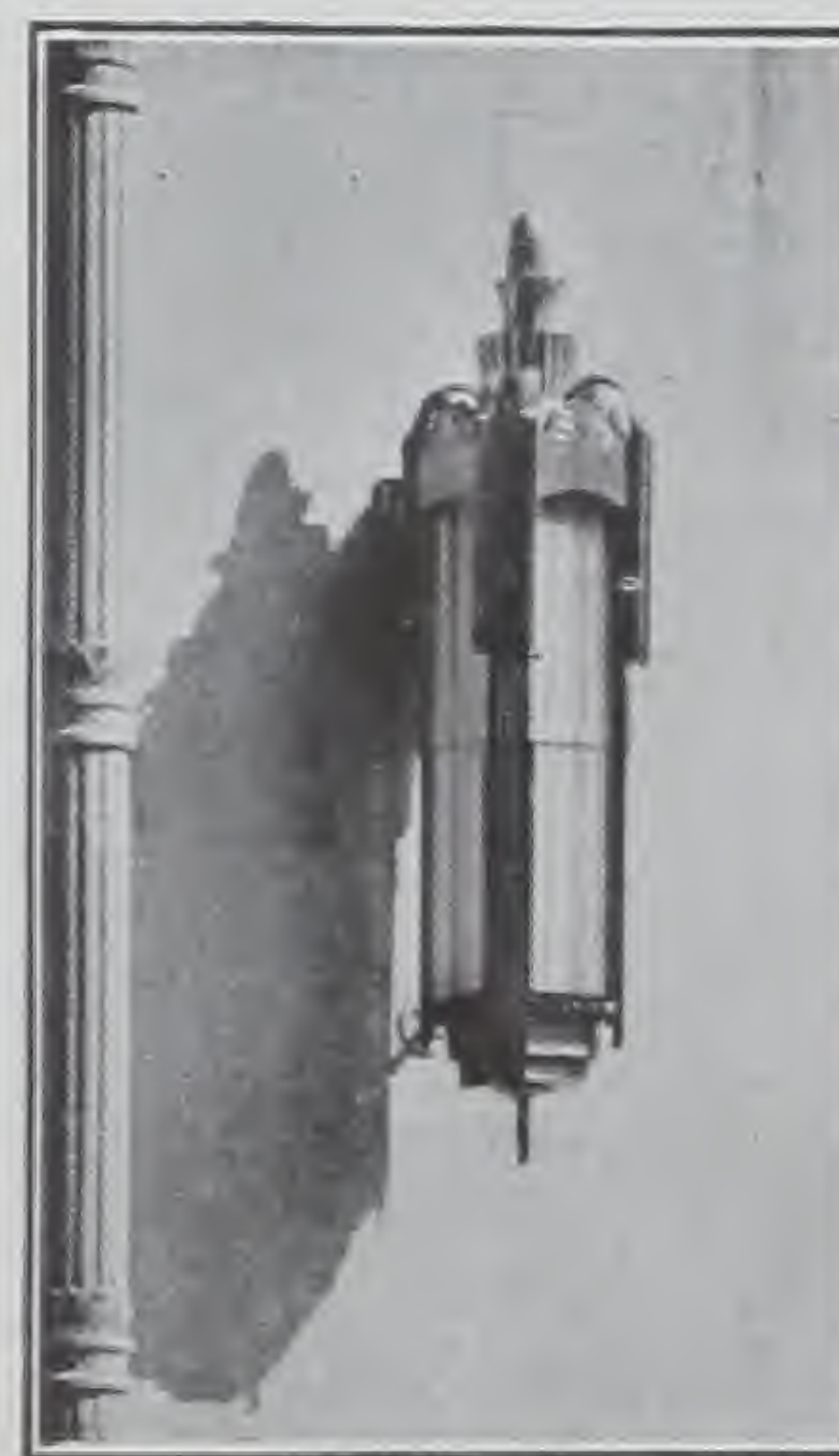


CORRIDOR LANTERN  
Style No. A-2006



ACCEPTED DESIGN  
FOR THE  
BEAUX-ARTS  
INSTITUTE OF DESIGN

Submitted by  
Cox, Nostrand &  
Gunnison



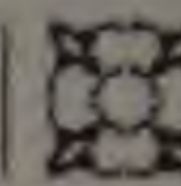
EXTERIOR LANTERN  
Style No. A-2006



ENTRANCE VESTIBULE  
LANTERN  
Style No. A-2006

A FEW EXAMPLES OF VARIOUS TYPES OF EXTERIOR AND INTERIOR LANTERNS  
SHOWING THE USE OF STEUBEN CAST GLASS



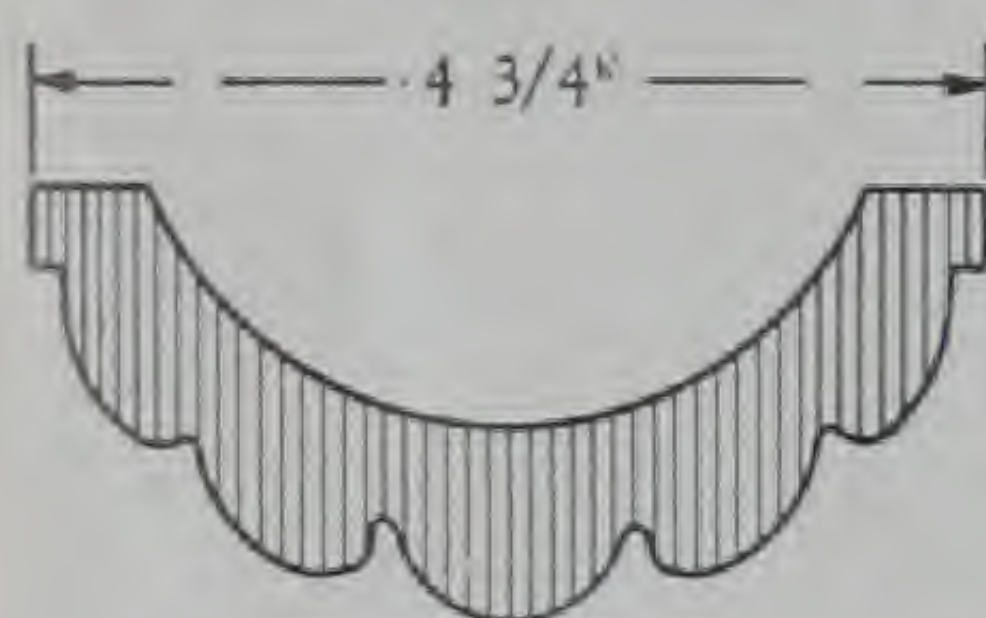
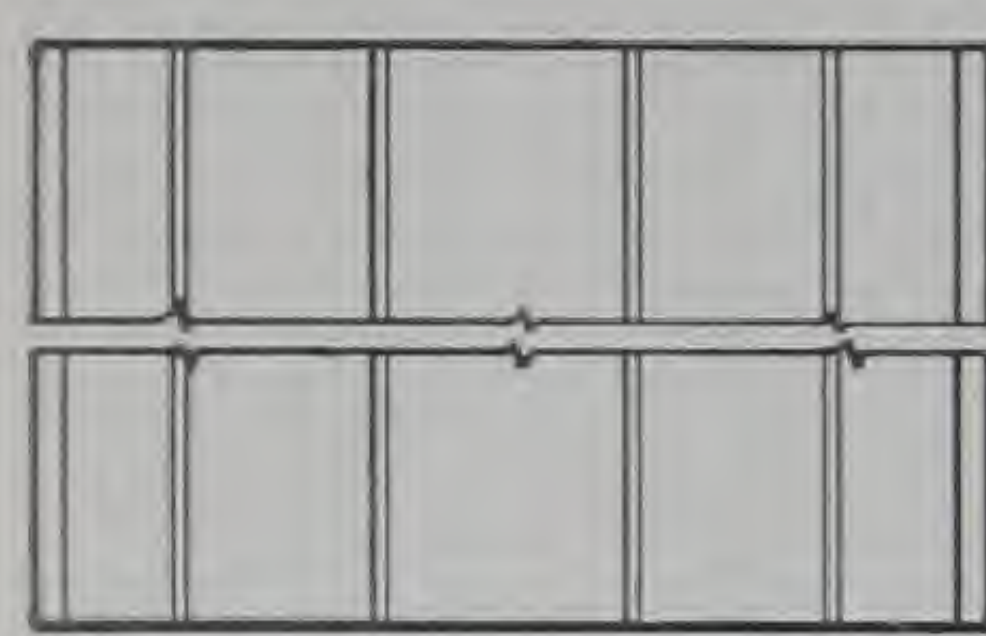


# SOME STANDARD SHAPES

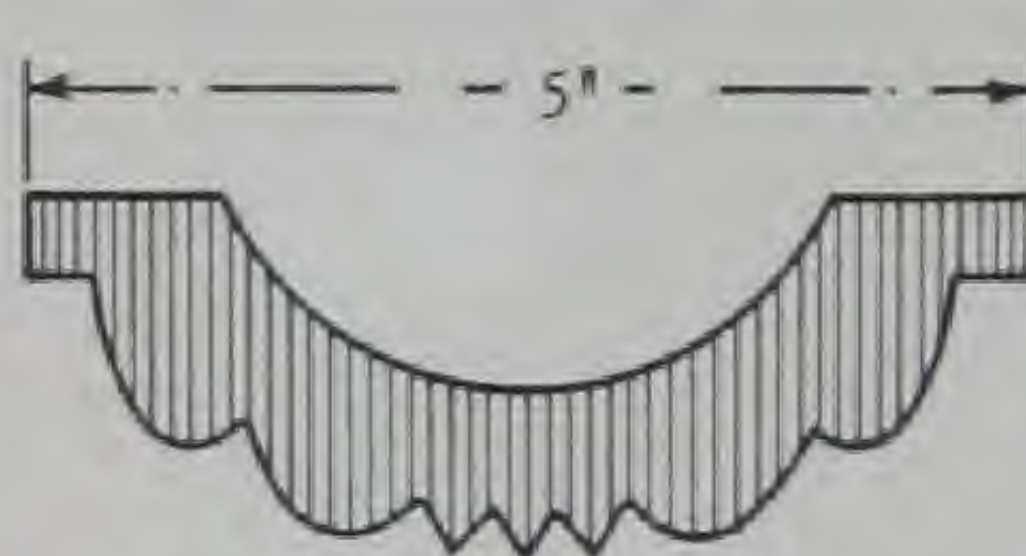
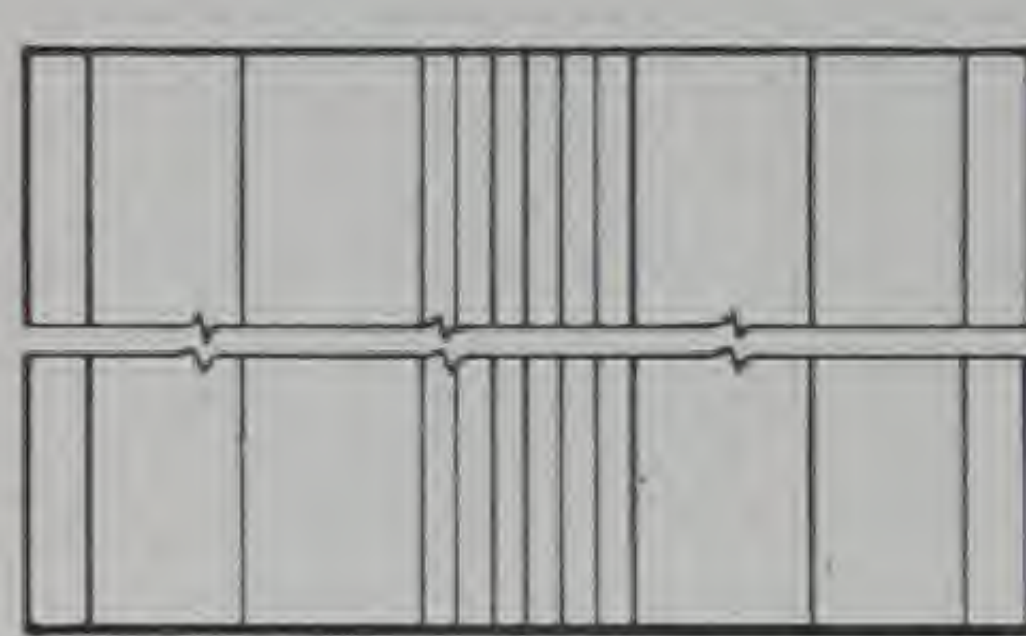
## FOR VARIOUS PURPOSES



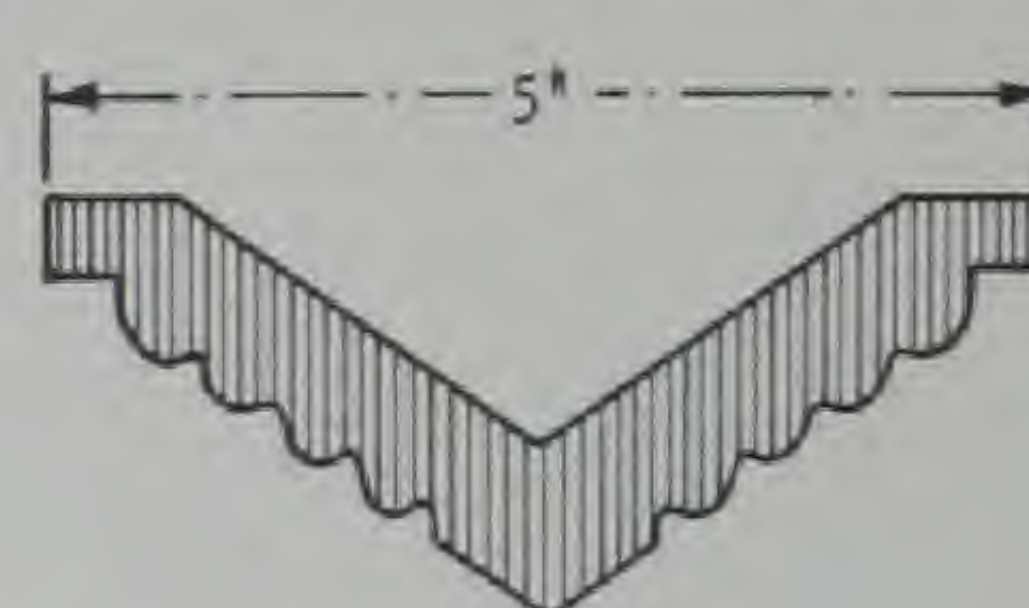
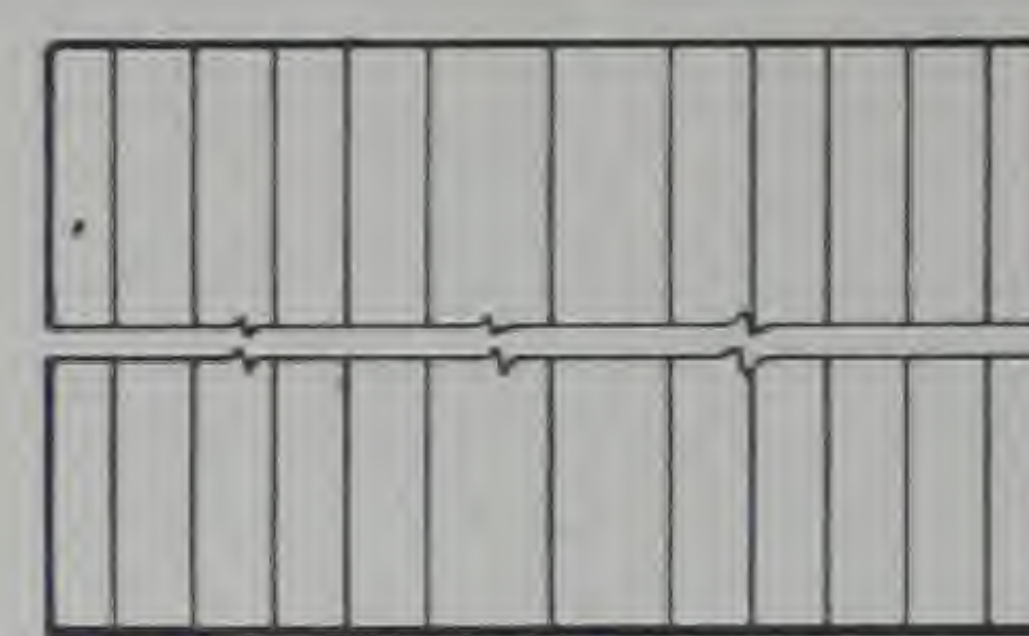
A 2039 SOLID COLUMN  
In lengths up to 36 in.  
Max. thickness 1 1/8 in.  
Weight 14 pounds for each 36 in. length



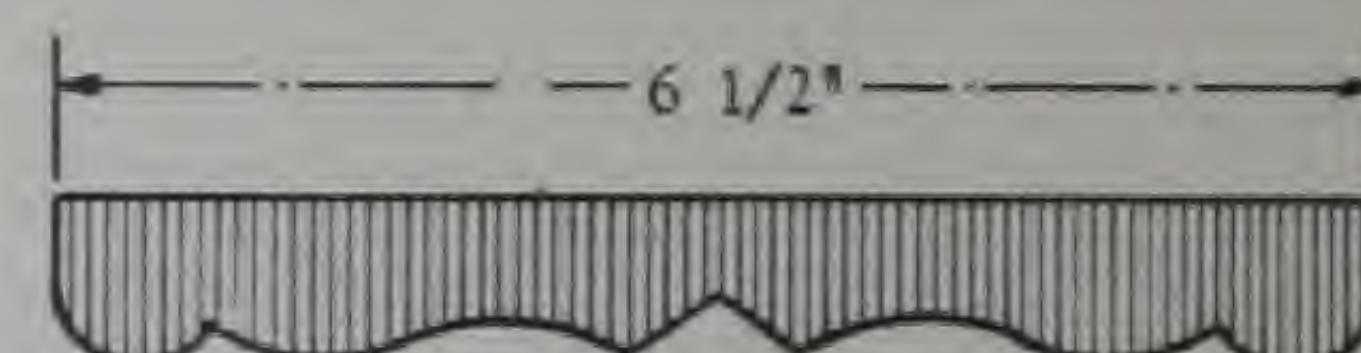
A 2005 SOLID COLUMN  
In lengths up to 30 in.  
Max. thickness 1 1/4 in.  
Weight 10 pounds for each 30 in. length



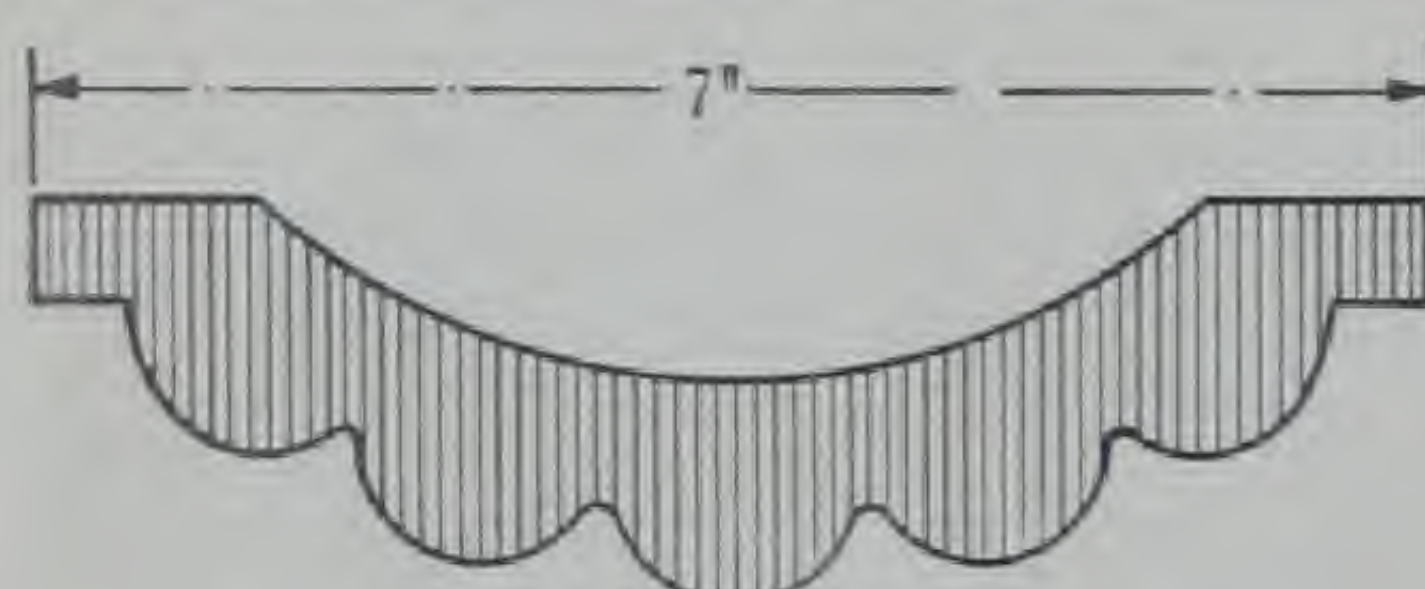
A 2037 SOLID COLUMN  
In lengths up to 36 in.  
Max. thickness 1 in.  
Weight 13 1/2 pounds for each 36 in. length



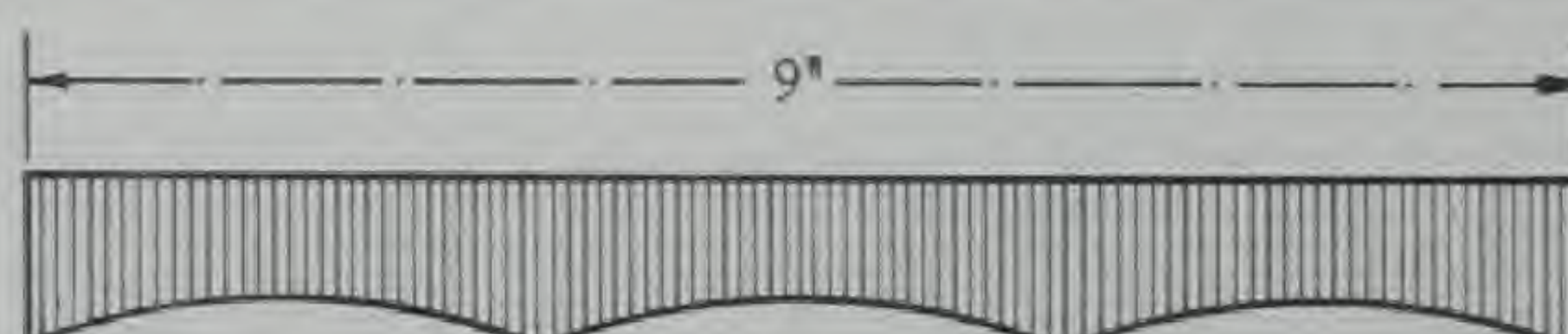
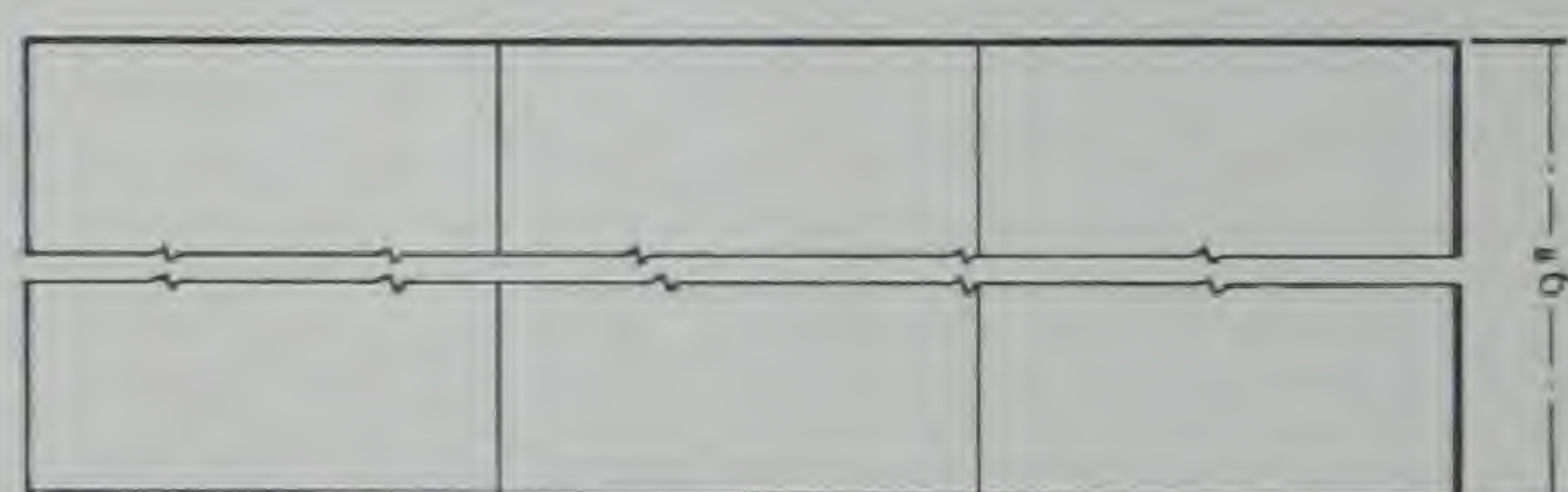
A 2038 SOLID COLUMN  
In lengths up to 36 in.  
Max. thickness 3/4 in.  
Weight 11 1/2 pounds for each 36 in. length



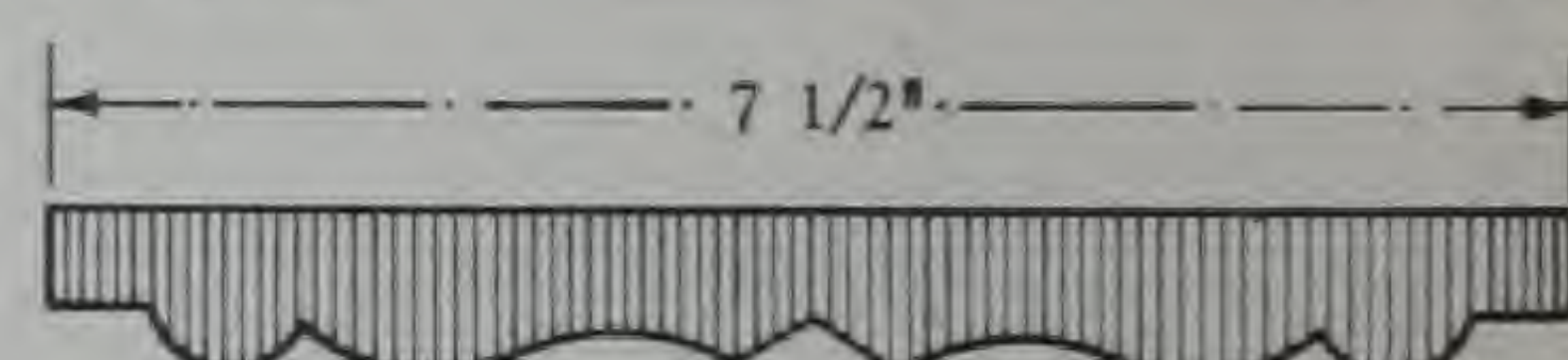
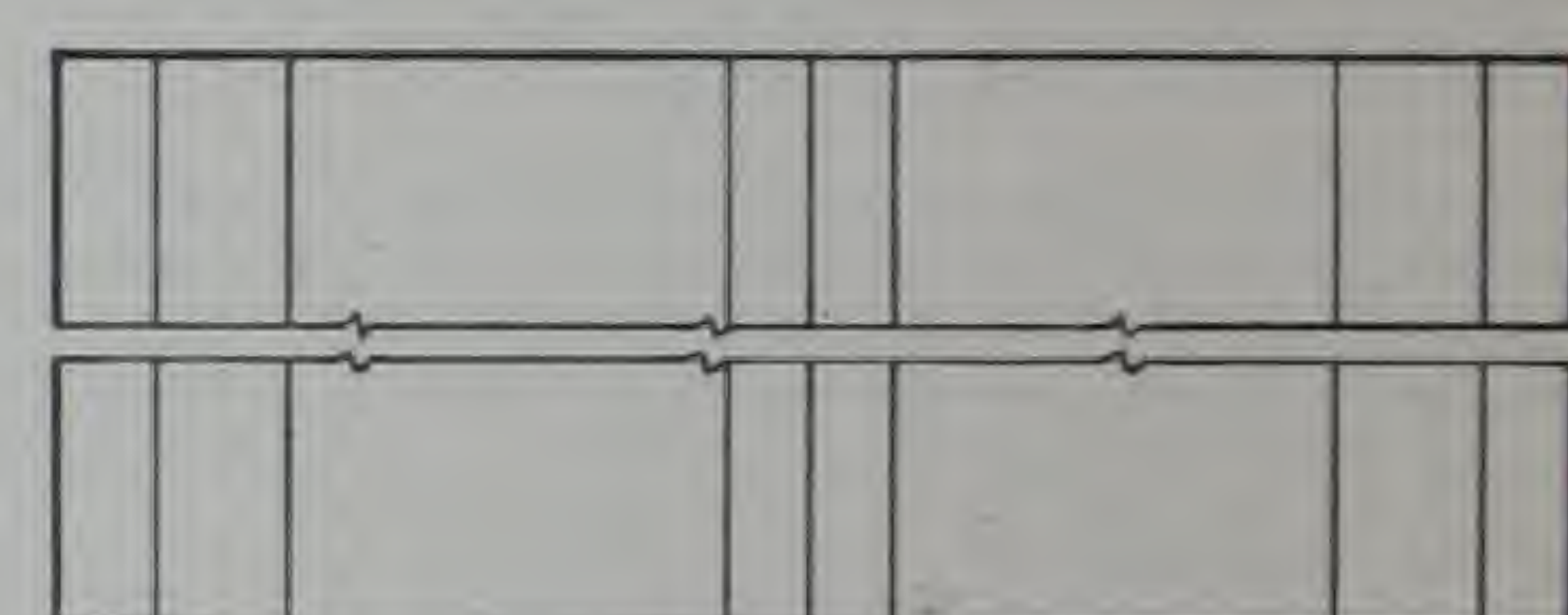
A 2006 SOLID COLUMN  
In lengths up to 21 in.  
Max. thickness 7/8 in.  
Weight 5 1/2 pounds for each 21 in. length



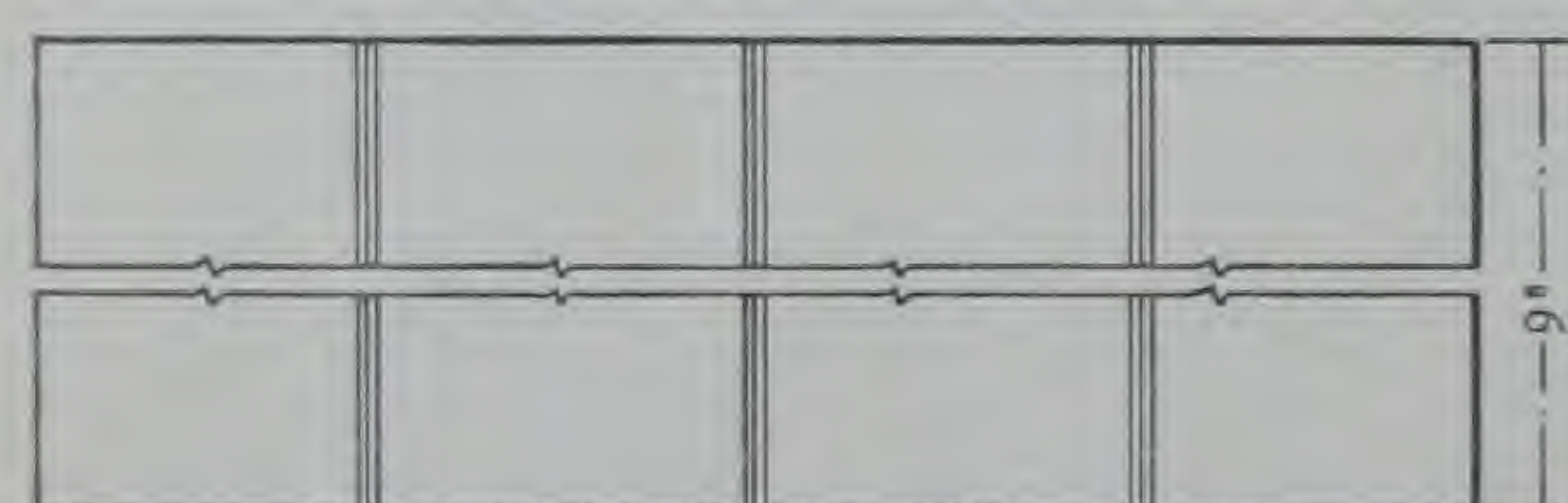
A 2005 7 in. SOLID COLUMN  
In lengths up to 36 in.  
Max. thickness 1 1/4 in.  
Weight 15 1/2 pounds for each 36 in. length



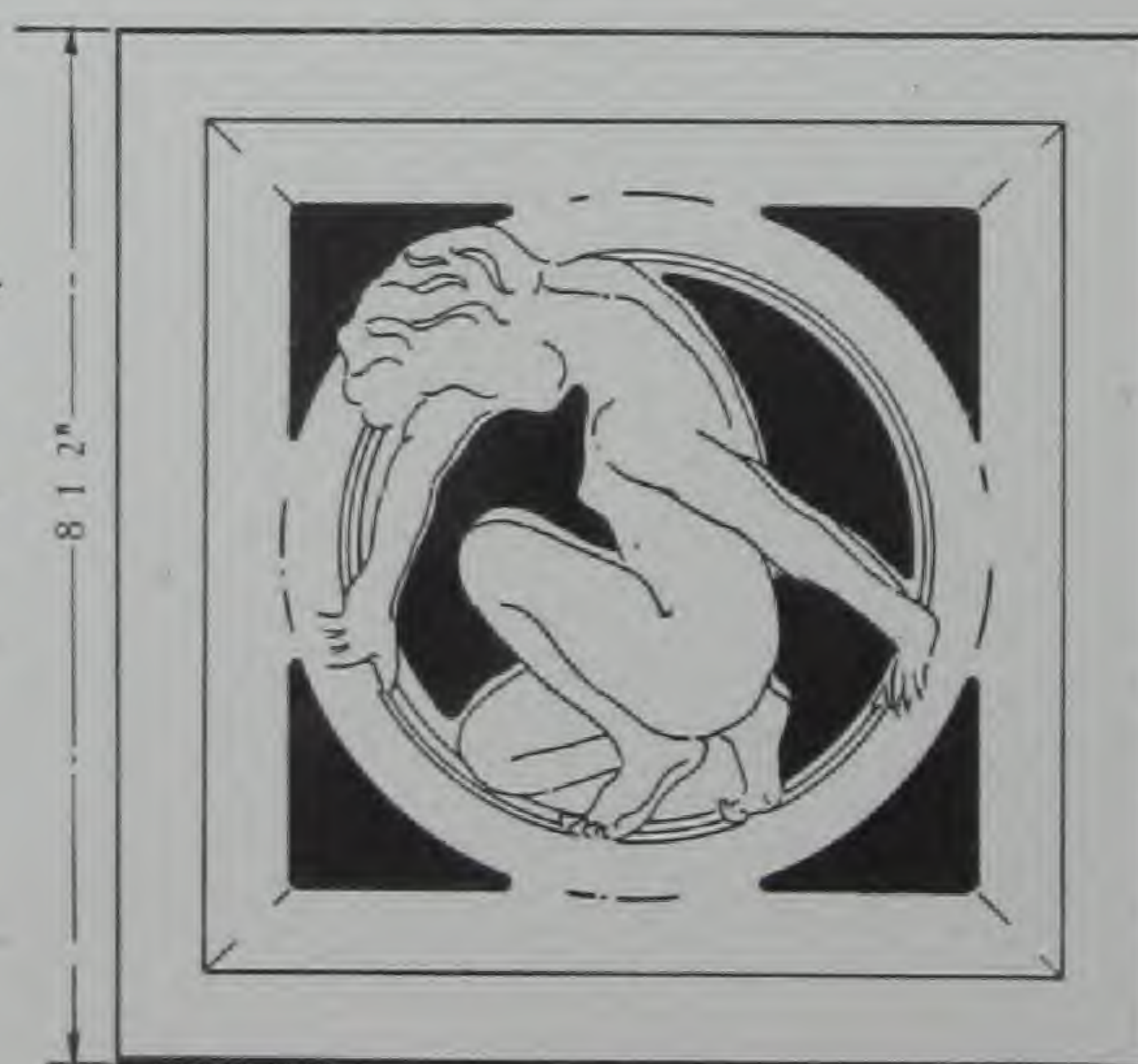
A 2086 SOLID SQUARE  
Max. thickness 1 in.  
Weight 7 1/2 pounds each



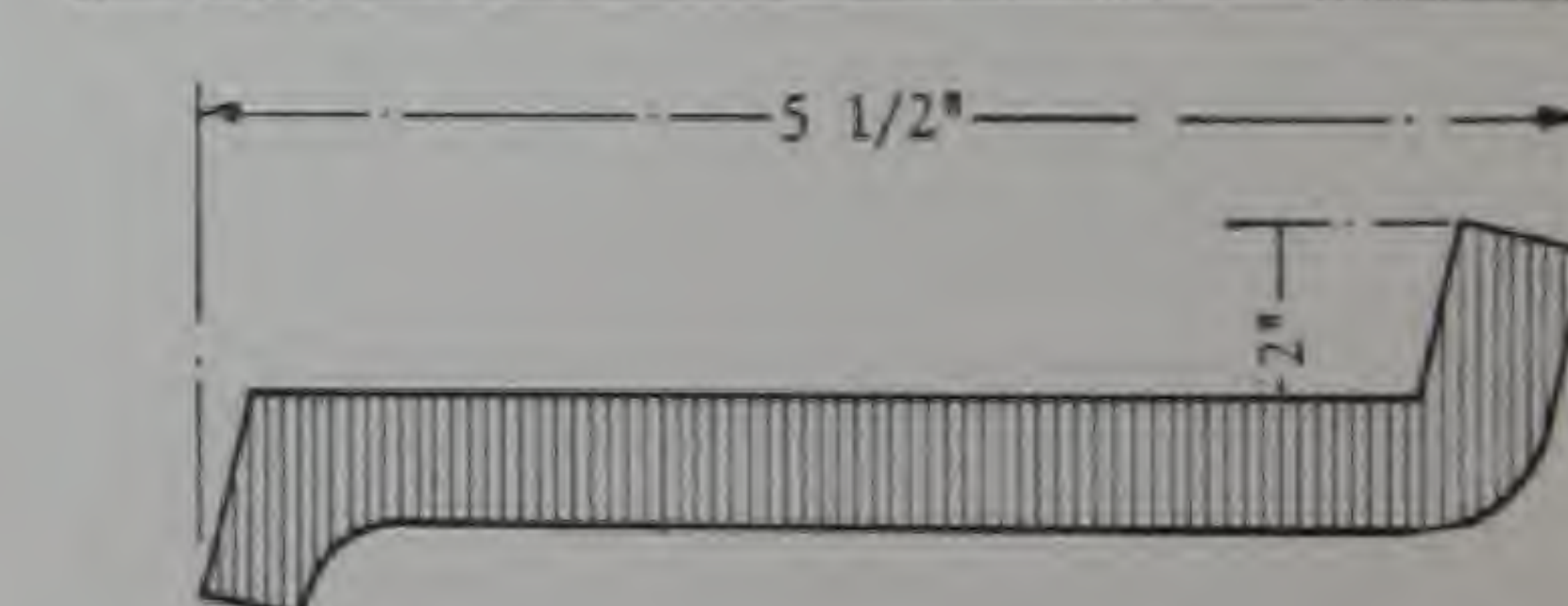
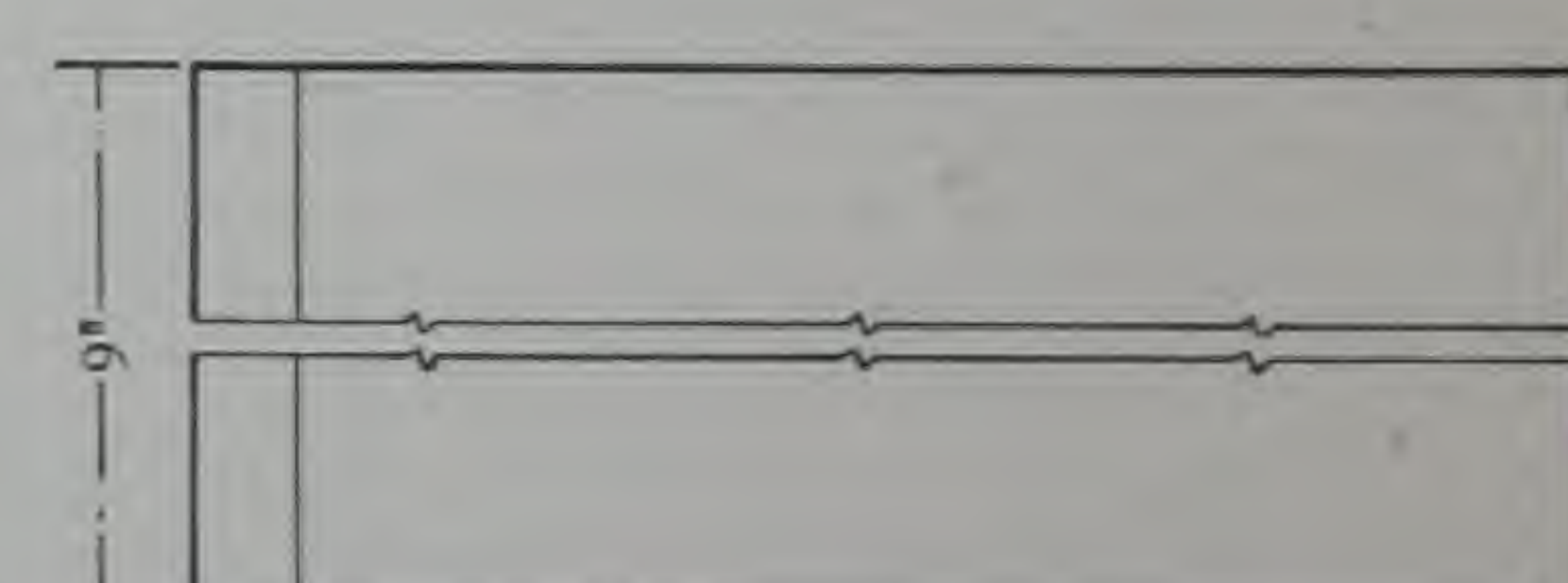
A 2006 SOLID COLUMN  
In lengths up to 30 in.  
Max. thickness 1 in.  
Weight 9 1/4 pounds for each 30 in. length



A 2089 SOLID CURVED PANEL  
Max. thickness 1 in.  
Weight 6 1/2 pounds each



A 2002 PERFORATED GRILLE  
Opposite Design 2118  
Max. thickness 3/4 in.  
Weight 1 3/4 pounds each



A 2088 SOLID PANEL  
Max. thickness 3/4 in.  
Weight 3 1/2 pounds each

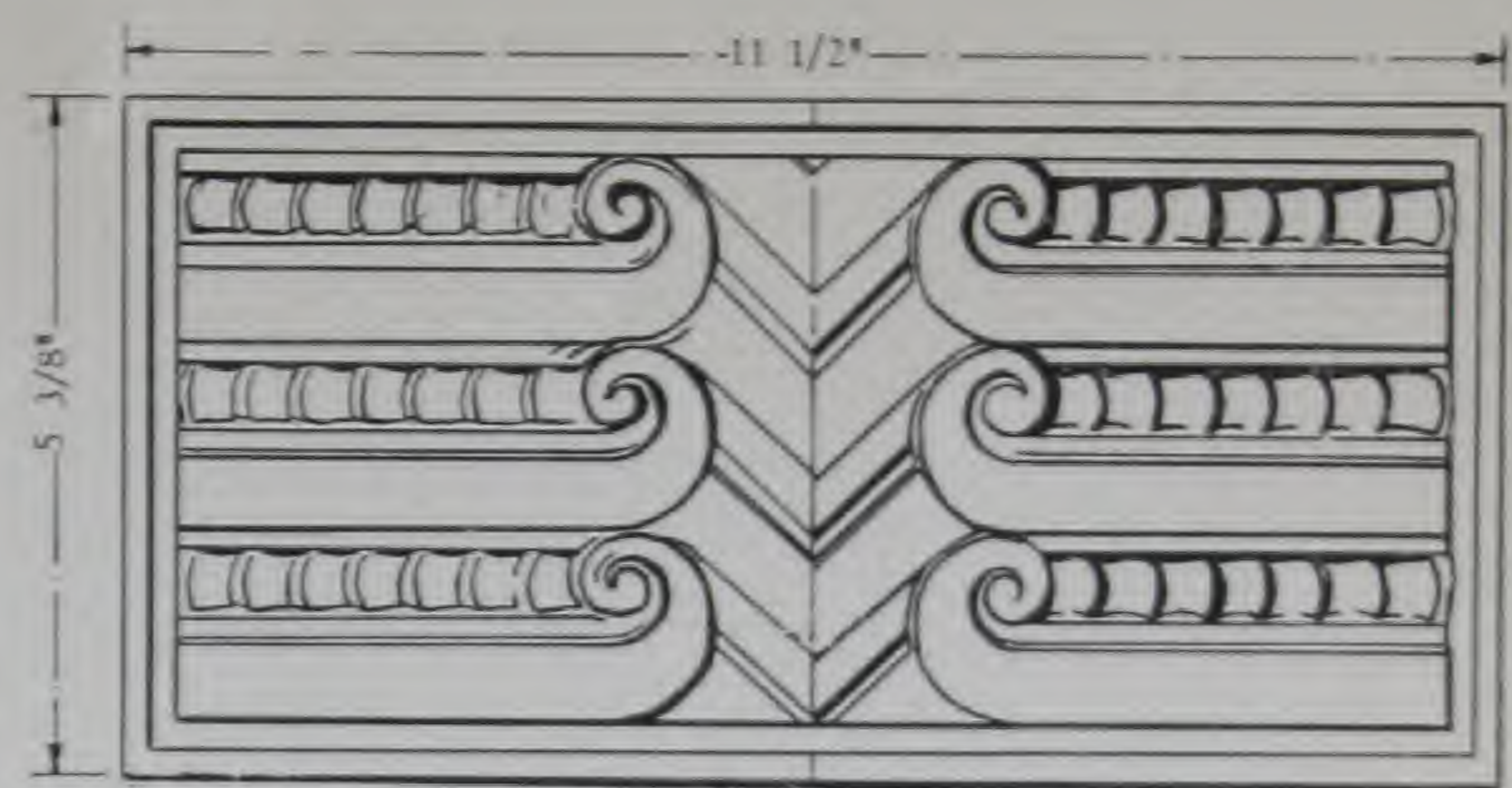




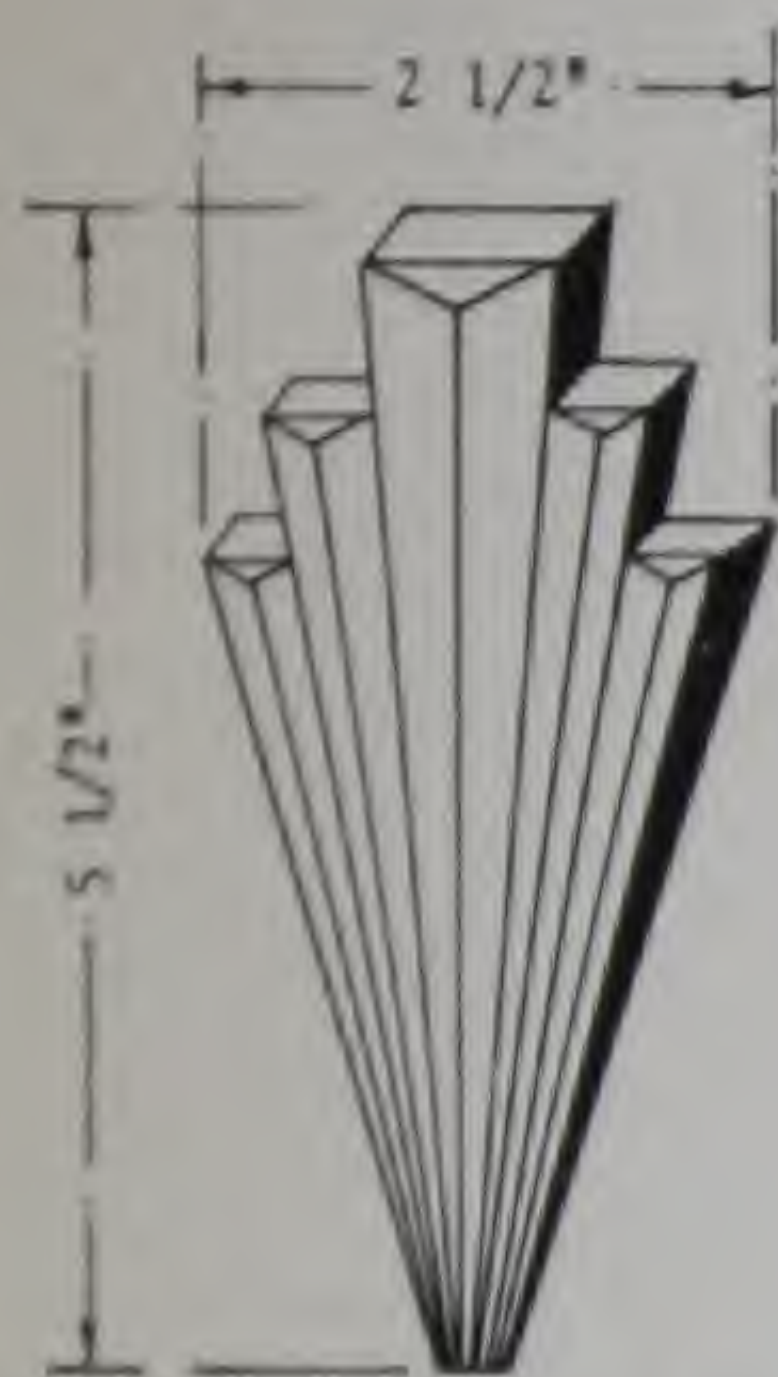
## STANDARD SHAPES



A 2011 PERFORATED GRILLE  
Max. thickness 5/8 in.  
Weight 3 pounds each



A 2034 SOLID PANEL  
Max. thickness 7/16 in.  
Weight 2 pounds each



A 2081 SOLID  
Max. thickness 3/4 in.  
Also made 4 1/2 in. high  
Weight 4 1/2 in.—6 oz. each  
Weight 5 1/2 in.—7 oz. each



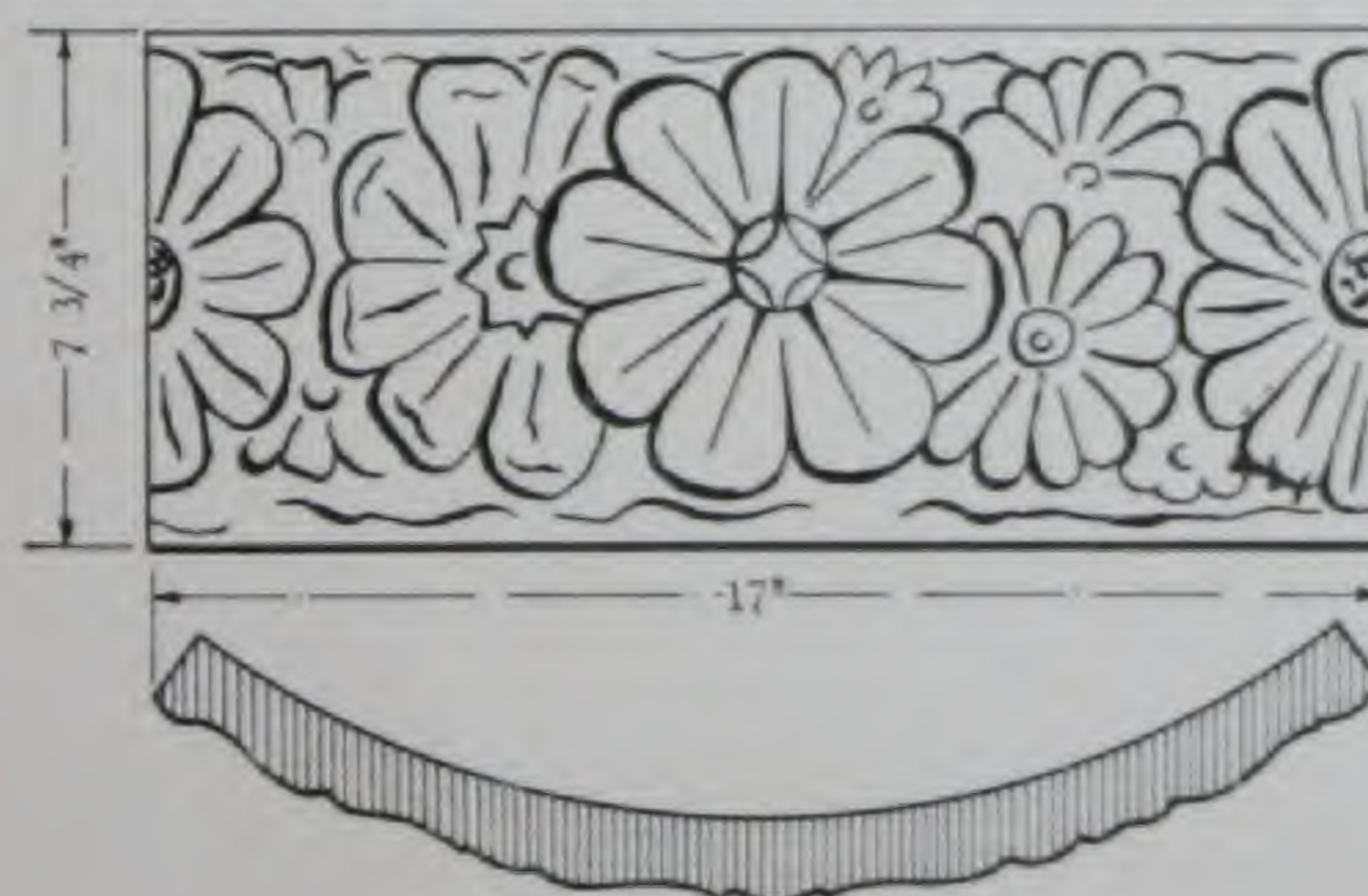
A 2008 SOLID PANEL  
Max. thickness 7/8 in.  
Weight 15 pounds each



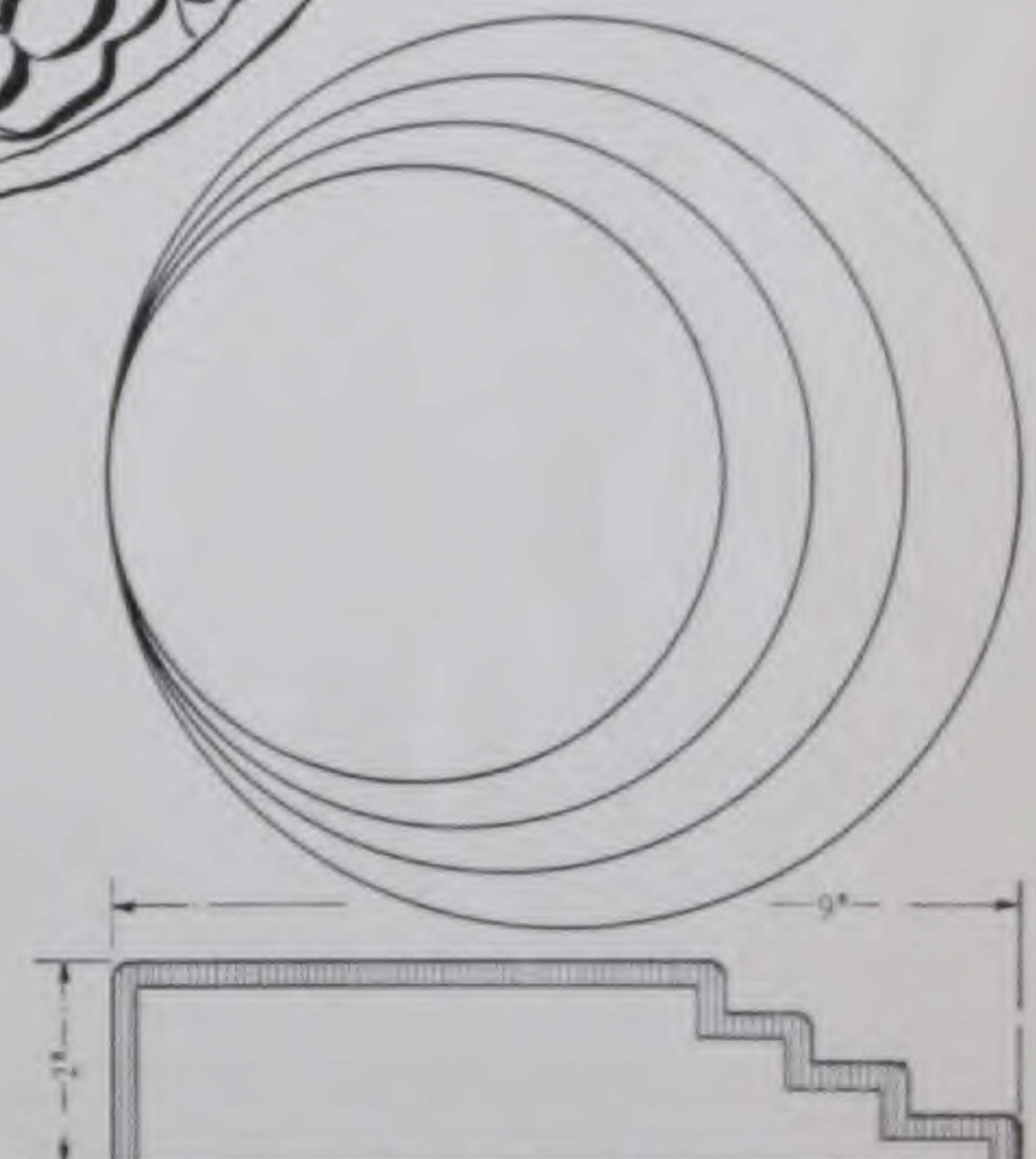
A 2058 SOLID PANEL  
Max. thickness 5/8 in.  
Weight 1 1/2 pounds each



A 2044 SOLID  
Max. thickness 1 1/2 in.  
Weight 3 pounds each



A 2059 SOLID CURVED PANEL  
Max. thickness 2 5/8 in.  
Weight 27 pounds each



A 2076 HOLLOW  
Max. thickness 3/16 in.  
Weight 2 1/2 pounds each



# *Steuben*

ARCHITECTURAL CAST GLASS  
ARCHITECTURAL PRESSED GLASS  
ARCHITECTURAL BLOWN GLASS  
PANELS  
GRILLES  
GLASS FOR LIGHTING FIXTURES  
STEMWARE  
ARTWARE

CORNING GLASS WORKS • CORNING • N.Y.